SARGENT
ASSA ABLOY

IN120

Intelligent WiFi Access Control

Available through Authorized Channel Partners only.

Contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

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IN120

Intelligent WiFi Access Control

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Table of Contents

Overview and Benefits 2

Product Features, Environmental Specifications and Battery Life 3

IN120 7900 Series Mortise Locks 4

IN120 10 Line Cylindrical Locks 6

Hard Power Option (91-) 8

Accessories and Software 9

Lock Management Tool 10

Standard and Coastal Series Levers, Roses, and Finishes 12

Studio Collection Levers, Roses, and Finishes 14

Replacement Parts 16

Ordering Gramercy Series Levers 17

Mechanical Options 18

Cylinder Options 19

Architectural Specifications 22

Overview

The SARGENT IN120 WiFi lock brings you the next generation of WiFi access control in a sleek, minimalist design. Leverage your IT infrastructure to deliver advanced access control to more locations, with the flexibility and security of HID® multiCLASS SE™ technology.

About ASSA ABLOY's Authorized Channel Partner and Certified Integrator Programs

The SARGENT IN120 is part of the expanding ASSA ABLOY family of innovative products combining our proven mechanical locking devices with leading-edge technologies to provide integrated electronic access control solutions. As such, these products require training and certification for resellers and integrators to ensure proper product selection, successful deployment and customer satisfaction.

To aid our customers in this area, ASSA ABLOY has created two programs that provide the necessary training to sell, order, install and service our technology products, including Aperio wireless, Integrated Wiegand, IP-enabled, and self-configurable intelligent components:

- The Authorized Channel Partner (ACP) program is open to resellers, who sell ASSA ABLOY's technology products to certified integrators, and help with product selection based on the application.
- The Certified Integrator (CI) program provides hands-on training for security systems integrators and network administrators.

Not only does this training familiarize certified integrator candidates with product features and applications, it also gives them valuable experience installing, commissioning, and troubleshooting the products in a real-world environment. This category extends to end-users that install and manage their own systems as well as third-party lock installers.

For more information on the qualifications for becoming an ACP or CI, contact your local ASSA ABLOY Door Security Solutions sales consultant.

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IN120

Intelligent WiFi Access Control

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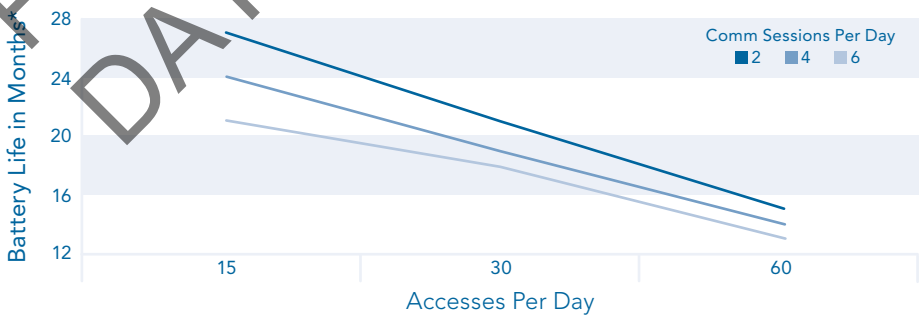
FEATURES	BENEFITS
Utilizes IEEE 802.11 WiFi infrastructure	■ Significantly reduces installation costs ■ Eliminates the need for any proprietary equipment ■ Ideal for hard-to-wire locations
HID® multiCLASS SE™ Technology	■ Provides heightened security ■ Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixedcredentials ■ Supports NFC and mobile access with Seos™
Field-upgradable 802.11b/g/n radio	■ Interoperability with other WiFi equipment ■ Future proof for constantly evolving WiFi standards
Customizable feature set	■ Select only the features you need ■ Add features as your requirements grow
Intelligence built into lock for local decision making	■ Lock operates regardless of network status ■ Supports up to 2,400 users ■ Provides a 10,000 event transaction history/audit trail
Privacy button	■ Allows shelter in place / local lockdown ■ Enables privacy capabilities for applications such as restrooms
Field selectable communication frequency	■ Allows you to balance security requirements with battery life
Integrated ANSI/BHMA Grade 1 hardware, available in cylindrical lock and mortise lock configurations	■ Flexibility to support various openings ■ Assurance of high quality hardware
Available with a wide range of finishes and decorative levers	■ Blends into any environment seamlessly ■ Designed to meet the requirements of designers and architects



*Battery life data was calculated using Duracell batteries.

Credential Support:

The IN120 features HID® multiCLASS SE™ technology to support the following credentials:

- High Frequency (13.56 MHz):
  - HID iCLASS®
  - HID iCLASS SE® (SIO-enabled)
  - HID iCLASS® Seos™
  - HID MIFARE® SE
  - HID DESfire® EV1 SE
  - MIFARE Classic
  - DESfire EV1
  - FeliCa
- Low Frequency (125 kHz):
  - HID Prox®
- NFC-enabled mobile phones

Security:

- AES 128-bit encryption
- Supports current WiFi network security standards, including:
  - WEP, WPA and WPA2
  - 802.1x
- For specific security information, please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-Wire.

Software:

- Lock Management Tool available for small installations
- Works with ASSA ABLOY IP-Enabled Access Control Partner software
- Software Development Kits (SDK) and support available to integrate into other third party access control systems. Email OEMSupport@assaabloyusa.com for assistance.

Environmental Specifications:

- Operating temperature: -13°F (-25°C) to 151°F (66°C)
- Humidity: < 85% non-condensing
- Storage temperature: -22°F (-30°C) to 176°F (80°C)

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IN120 7900 Series Mortise Locks

Mechanical Features

- Certified to ANSI/BHMA A156.13 Series 1000 Grade 1
- UL/ULC Listed for fire doors*
- Motor driven 7900 Series Mortise Lock
- 3/4" projection stainless steel latchbolt, one-piece construction
- Steel deadbolt assembly with 13 gauge hardened steel insert, 1" (25mm) projection
- For 1-3/4" (44mm) thick door standard. Consult factory for additional thicknesses
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handing easily field reversible without disassembling lock body
- Lever trim through-bolted for increased security and durability

Shipping Weight: Approx. 11 lbs.

IN120 Mortise Lock Functions

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch and deadbolt (if present)
- Guardbolt deadlocks latch
- Key override standard
- Low Battery, Request-to-Exit (REX), and Tamper signaling standard

52-5373 Door Position Switch (DPS)

Supplied with IN120 mortise locks

- SPST concealed switch (2-wire)
- 3/8" Diameter for wood door
- 3/4" Diameter for metal door
  - Metal door adapter included

Note: The DPS is installed right above the lock faceplate and connects directly into the lock's electronics

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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Select from the following options to order IN120 mortise locks:

Function

7976	Key override and deadbolt
7978	Key override and no deadbolt
7977	Deadbolt and no key override
7979	No deadbolt and no key override

Credentials

IP	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, HID Prox®, NFC-enabled mobile phones
IPS	All credentials supported by the IP option plus MIFARE Classic and DESfire EV1*
CP	FeliCa, HID Prox®, NFC-enabled mobile phones

*IPS allows use of smart cards with user defined encryption and encoding, from HID or other third party suppliers.

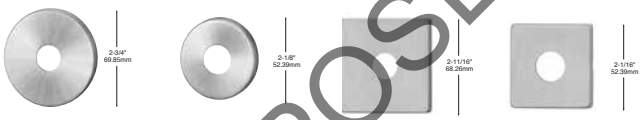
Reader

B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

Note: Metal trim is supplied in the finish specified in the order string.

Rose

O LN E2[1] E3[1]



Lever

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 14-16.

MD MJ MI ND[2] NJ NI[2]

Premium Levers

RAS[3] REM[3]

Finish

03	Bright brass (ANSI 605)
04	Satin brass (ANSI 606)
09	Bright bronze (ANSI 611)
10	Satin bronze, clear powder (ANSI 612)
10B	Oxidized satin bronze oil rubbed (ANSI 613)
10BE	Dark oxidized satin bronze — equivalent
10BL	Oxidized satin bronze, clear powder coat
14	Bright nickel, clear coated (ANSI 618)
15	Satin nickel, clear coated (ANSI 619)
20D	Dark statuary bronze, clear powder coat
26	Bright chrome (ANSI 625)
26D	Satin chrome (ANSI 626)
32	Bright stainless steel (ANSI 629)
32D	Satin stainless steel (ANSI 630)

Handing

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

Build Your Order String

Series		Function				Credentials			Reader			Rose		Lever			Finish				Handing		
IN	120	7	9	7																			

For additional cylinder and/or mechanical options, please refer to pages 22-23. Add the desired options to the beginning of your order string.

[1] 1KA square cylinder collar and 130KA square backplate automatically supplied with E2 and E3 roses.
[2] Lever returns within ½" (13 mm) of door face.
[3] Gramercy levers are customized. See page 16 for ordering information.

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IN120 10 Line Cylindrical Locks

Mechanical Features

- Certified ANSI/BHMA A156.2 Series 4000 Grade 1
- UL/ULC Listed for fire doors*
- Motor driven cylindrical lock
- Latch Stainless Steel, 1/2" (13mm) throw
- 2-3/4" (70mm) backset standard
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Handing easily field reversible without disassembling lock body
- Heavy duty lever spring return
- Steel mounting studs
- Not available with 10-UL-, 82-, 83-, 84- options

Shipping Weight: Approx. 9 lbs.

IN120 Cylindrical Lock Functions

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Key override standard
- Low Battery, Request-to-Exit (REX), and Tamper signaling standard
- Door Position Switch (DPS, P/N 52-5373) supplied

52-5373 Door Position Switch (DPS)
Supplied with IN120 cylindrical locks

- SPST concealed switch (2-wire)
- 3/8" Diameter for wood door
- 3/4" Diameter for metal door
  - Metal door adapter included

Note: The DPS is installed right above the lock faceplate and connects directly into the lock's electronics

IN120 10 Line cylindrical locks are UL Certified and Listed as part of an approved assembly[1] to the following certifications and standards:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201-1994[2]
- Testing Application Standard (TAS) 202-1994[2]
- Testing Application Standard (TAS) 203-1994[2]
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

[1]To meet assembly requirements, use in conjunction with doors from ASSA ABLOY Group brands CECO and CURRIES.

[2]Published in the "Florida Building Code"

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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IN120

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Select from the following options to order IN120 cylindrical locks:

Function

10G77 Key override

Credentials

IP	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, HID Prox®, NFC-enabled mobile phones
IPS	All credentials supported by the IP option plus MIFARE Classic and DESfire EV1*
CP	FeliCa, HID Prox®, NFC-enabled mobile phones

*IPS allows use of smart cards with user defined encryption and encoding, from HID or other third party suppliers.

Reader

B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

Note: Metal trim is supplied in the finish specified in the order string.

Rose

G

L

Lever

B

J*

L*

P*

G - Gulfport™

Y - Yarmouth™

Finish

03	Bright brass (ANSI 605)
04	Satin brass (ANSI 606)
09	Bright bronze (ANSI 611)
10	Satin bronze, clear powder (ANSI 612)
10B	Oxidized satin bronze oil rubbed (ANSI 613)
10BE	Dark oxidized satin bronze — equivalent
10BL	Oxidized satin bronze, clear powder coat
14	Bright nickel, clear coated (ANSI 618)
15	Satin nickel, clear coated (ANSI 619)
20D	Dark statuary bronze, clear powder coat
26	Bright chrome (ANSI 625)
26D	Satin chrome (ANSI 626)

Handing

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

Build Your Order String

Series		Function		Credentials			Reader			Rose		Lever		Finish				Handing		
IN	120	1	0	G	7	7														

For additional cylinder and/or mechanical options, please refer to pages 20-23. Add the desired options to the beginning of your order string.

* Lever returns within ½" (13 mm) of door face

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Hard Power Option (91-)

The Hard Power option (91-) is recommended for high traffic doors or openings that require online behavior. Hard powering an IN120 allows the lock to operate in an always connected mode. The IN120 allows hard powering via an input of 12 to 24V DC and draws 200mA at 12V DC in always connected mode. SARGENT offers a range of power supplies suitable for this application.

12VDC & 24VDC Power Supplies

- UL Class 2 Listed filtered and regulated supply
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED
- In the event of a DC short, the problem is confined to the zone of difficulty
- Fire alarm interface standard

Model	Description
3521	12V - 1 Amp power supply
3541	12V - 3 Amp power supply
3551	12V - 4.5 Amp power supply
3571	12V - 6 Amp power supply
737	12V - 5 Amp 1 hour backup battery
3520	24V - 1 Amp power supply
3540	24V - 2 Amp power supply
3550	24V - 4 Amp power supply
3570	24V - 6 Amp power supply
738	24V - 5 Amp 1 hour backup battery

ElectroLynx hinges and harnesses required for hard-powered IN120 applications are available through McKINNEY.

52-4824 IN120 Adapter Cable

- Included with 91- prefix option IN120 units
- Allows for hard powering (91-) of IN120 (required for certain monitoring features)
- Compatible with ElectroLynx® system

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Accessories and Software

52-5373-0000 Door Position Switch (DPS)

- SPST concealed switch (2 wire)
- Metal door adapter included
- 3/8" diameter for wood door
- 3/4" diameter for metal door
- Supplied with IN120 cylindrical and mortise locks

Cover Plate Kits

79-5000	Mortise lock, IN120-7976 (key override, with deadbolt), 32D finish
79-5001	Mortise lock, IN120-7977 (no key override, with deadbolt), 32D finish
79-5002	Mortise lock, IN120-7978 (key override, no deadbolt), 32D finish
79-5003	Mortise lock, IN120-7979 (no key override, no deadbolt), 32D finish
10-5008	Cylindrical lock, IN120-10G77 (with key override), 32D finish

WFCD1 Network and Lock Configuration Tool Kit*

- Contains:
  - NCT/LCT software
  - Serial adapter cable (P/N 52-3956)
  - Users' manual (on CD)
  - Quick start guide
  - Configuration cards (to configure iCLASS Only Locks)
  - USB cable (P/N 52-1635)
- Required to configure network settings of IN120 locks

Integration Tools for ASSA ABLOY Locks

ASSA ABLOY electronic access control locks integrate with a range of industry-leading access control systems. For more information on which systems support our IP-enabled locks, please contact your local ASSA ABLOY Door Security Solutions office, www.assaabloydss.com. To learn more about how to integrate these and other ASSA ABLOY products with your system, please call 800-810-WIRE.

* The Network and Lock Configuration CD Tool Kit (WFCD1) is required to set up IN120 locks. Only one is required per system. Lock Management Tool or a compatible system is also required.

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Lock Management Tool

Lock Management Tool™ (LMT) allows programming, interrogation and overall management of ASSA ABLOY WiFi locks from a centralized location for up to 50 doors. The application facilitates communication from a computer to the locks via IEEE 802.11b/g/n WiFi infrastructure. The LMT program allows an administrator to establish multiple user types, time zones, holidays, user groups, auto-unlock periods and to obtain transaction history from all locks connected to the system.

LMT consists of a server based installation (a small workstation will be sufficient) with most of the daily administration and configuration being done through a web browser. A local client on the server can be used for more complex configuration tasks.

Features:

- Password protected database
- User database size based on local hardware configuration
- Allows for creation of user groups
- Easy to follow data entry
- Real-time clock with date and time
- Sixteen different time zones
- Holiday support
- Auto-unlock schedule with or without "first in" unlock
- Allows viewing of system wide events and history (total number of events based on local hardware configuration) – includes event type, date, time, user ID and name
- Configurable for all major HID® Prox 125 kHz or iCLASS® 13.56 MHz card formats
- Scheduler utility to establish lock communication at pre-defined intervals
- User manual included
- Browser-based user interface
- Simple drag-and-drop configurations
- Basic alarm monitoring

Requirements:

- Hardware:
  - Memory: 2 GB minimum, 4 GB+ recommended
  - Storage: 20 GB free hard disk space
  - Processor: Dual Core/(min Pentium IV w/HT) @ 2GHz (or equivalent) or faster
  - Screen: 800 x 600 required; 1024 x 768 Recommended
  - Network Card required
  - CD-ROM required
  - RS232 Serial Port (DB9)
- Operating System:
  - Windows XP 32bit, Server 2003 32bit, Vista 32/64bit, Win7 32/64bit, or Server 2008/2008R2

Note: IP address must be assigned by authorized network administrator and PC must utilize a static IP address

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WFCD2 Lock Management Tool (LMT) CD

- Lock Management Tool™ allows programming, interrogation and overall management from a centralized location of up to 25 doors
- License is included and is obtained at time of installation
- Contains:
  - LMT software
  - Users' manual (on CD)

WFCD3 Lock Management Tool (LMT) CD

- Lock Management Tool™ allows programming, interrogation and overall management from a centralized location of up to 50 doors
- License is included and is obtained at time of installation
- Contains:
  - LMT software
  - Users' manual (on CD)

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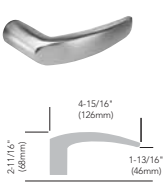
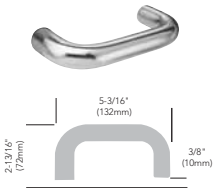
Standard Levers (7900 Mortise Locks)

- All levers meet ADA national code requirements
- Lever designs BJ, BL and BP have lever returns within 1/2" (13mm) of door face
- Levers BB, BL, BJ & BP are only available with the O rose

BB



BJ



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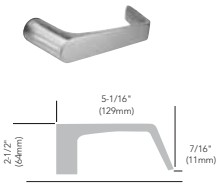

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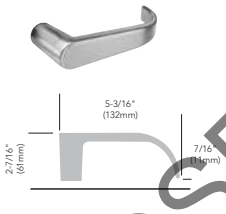
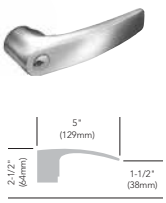


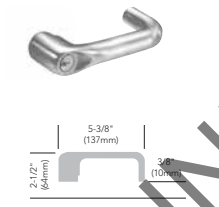
Standard Levers (10 Line Cylindrical Locks)

- All levers meet ADA compliance for national codes
- Solid forged or cast
- Lever designs C, J, L and P have lever returns within 1/2" (13mm) or less of door face and meet California State Reference Fire Code
- All lever height (+/- 1/16") measurements represent total distance from door face

B



J



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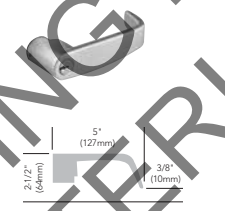
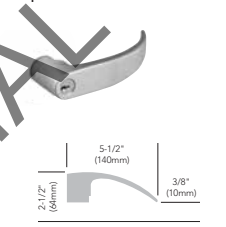


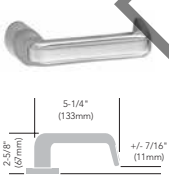
P



The Coastal Series™ (Mortise or Cylindrical Locks)

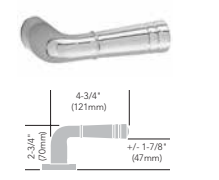
- All levers meet ADA compliance for national codes
- Coronado lever returns within 1/2" (13mm) or less of door face and meets California State Reference Fire Code
- Not available with CO and TO roses
- Levers are solid cast brass
- Finishes available — 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D
- All lever height (+/- 1/16") measurements represent total distance from door face

C - Coronado™1

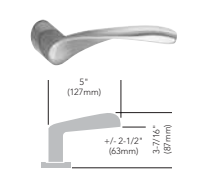


G - Gulfport™ (Handed)

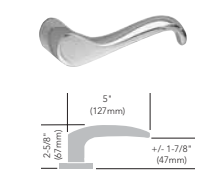
R - Rockport™



S - Sanibel™ (Handed)



Y - Yarmouth™ (Handed)



Standard lever options are only available with O roses.

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IN120

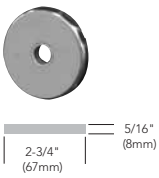
Intelligent WiFi Access Control

SARGENT
ASSA ABLOY

Standard Roses

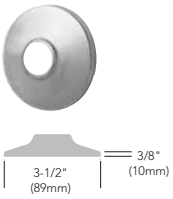
7900 Mortise Locks

O

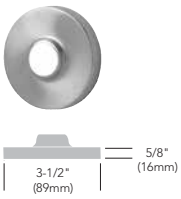


10 Line Cylindrical Locks

G

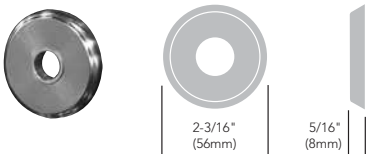


L

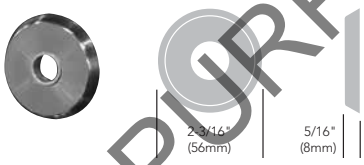


Coastal Series Roses (available with 7900 mortise locks)

TR Traditional Rose
(Dual radii edge)



CR Contemporary Rose
(Beveled edge)



Available Finishes

03 Polished Brass

04 Satin Brass

09 Polished Bronze

10 Satin Bronze

10B Oxidized Bronze

10BE Dark Oxidized Satin Bronze — equivalent

10BL Oxidized Satin Bronze

20D Statuary Dark Bronze

14 Polished Nickel

15 Satin Nickel

26 Polished Chrome

26D Satin Chrome

32 Polished Stainless Steel

32D Satin Stainless Steel

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Studio collection™

Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200, R8200 and 7900 Series Mortise Locks, Access Control Products, 80 and P Series Exits Devices, DL and RDL Series Tubular Locks.

All levers meet ADA compliance for national codes.

Aventura Series

MB ME MF NF MG MI NI[2] MW[2]

Gramercy Series[3]

RCM RAL REM RAM RAS RAW RAG RGM

Centro Series

MC[1] MD MJ MP ND[2] NJ[2]

Notting Hill Series (Handed Levers)

MA[1] MQ MT MM MR[1] MY[2]

Odéon Series (Handed Levers)

MN MH MK MS MU MV

MX[2] NS[2] NU[2]

Rialto Series (MZ Lever is Handed)

MO MZ[2]

[1] Contact factory for current lead times
[2] Lever returns within 1/2" (13mm) of door face
[3] Gramercy levers are customized.
See page XX for ordering information

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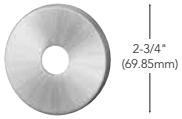
Studio Collection Trim

Roses (7900 Series)

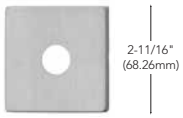
O



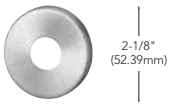
CO

TO

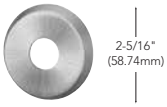
E2[1] (Handed)



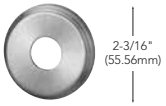
LN



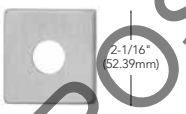
CR



TR



E3[1] (Handed)

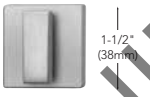


Thumbturns (7900 Series)

Thumbturn backplate will match rose design chosen. Specify T1, T2 or T3 as a prefix option for decorative turns.

T1

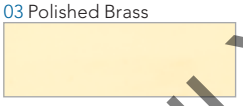
T2



T3

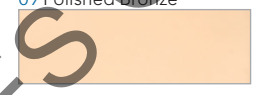
Available Finishes

03 Polished Brass



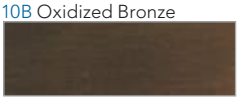
04 Satin Brass

09 Polished Bronze

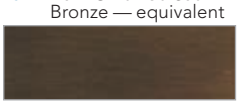


10 Satin Bronze

10B Oxidized Bronze

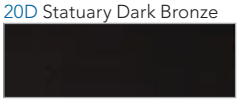


10BE Dark Oxidized Satin Bronze — equivalent



10BL Oxidized Satin Bronze

20D Statuary Dark Bronze



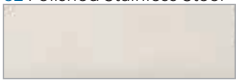
14 Polished Nickel

15 Satin Nickel

26 Polished Chrome

26D Satin Chrome

32 Polished Stainless Steel



32D Satin Stainless Steel

[1] 1KA square cylinder collar and 130KA square backplate automatically supplied with E2 and E3 roses.

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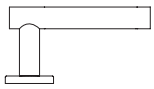
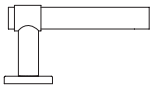
Ordering Gramercy Series Levers

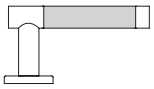
REM, RGM



RCM



RAG, RAL, RAM, RAS, RAW



Gramercy Finish Codes

BHMA FINISH	SARGENT FINISH	GRAMERCY CODE	DESCRIPTION
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
N/A	N/A	BH	Birch (wood insert)
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

LEVER DESIGNATION	LEVER DESCRIPTION	AVAILABLE FINISHES (AS ORDERED)
RAG	Grooved Insert	2929 or 3030
RAL	Leather Insert	29BK, 29BN or 30BK, 30BN
RAM	Metallic Insert	2930** only
RAS	Santoprene Insert	29BK or 30BK
RAW	Wood Insert	29BH or 30BH
RCM	Raised Band	2929, 3030 or 2930**
REM	Plain	2929 or 3030
RGM	Two Grooves	2929 or 3030

**Two-tone finish — grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32.

When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

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Replacement Parts

Reader Modules

IN-120-EM01-IP-B	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, HID Prox®, NFC-enabled mobile phones; black
IN-120-EM01-IP-W	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, HID Prox®, NFC-enabled mobile phones; white
IN-120-EM01-IP-MB-[finish]*	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, HID Prox®, NFC-enabled mobile phones; black with metal trim
IN-120-EM01-IP-MW-[finish]*	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, HID Prox®, NFC-enabled mobile phones; white with metal trim
IN-120-EM01-IPS-B	All credentials supported by the IP option plus MIFARE Classic and DESfire EV1; black
IN-120-EM01-IPS-W	All credentials supported by the IP option plus MIFARE Classic and DESfire EV1; white
IN-120-EM01-IPS-MB-[finish]*	All credentials supported by the IP option plus MIFARE Classic and DESfire EV1; black with metal trim
IN-120-EM01-IPS-MW-[finish]*	All credentials supported by the IP option plus MIFARE Classic and DESfire EV1; white with metal trim
IN-120-EM01-CP-B	FeliCa, HID Prox®, NFC-enabled mobile phones; black
IN-120-EM01-CP-W	FeliCa, HID Prox®, NFC-enabled mobile phones; white
IN-120-EM01-CP-MB-[finish]*	FeliCa, HID Prox®, NFC-enabled mobile phones; black with metal trim
IN-120-EM01-CP-MW-[finish]*	FeliCa, HID Prox®, NFC-enabled mobile phones; white with metal trim

Inside Escutcheon

IN-120-EM02-B	Black
IN-120-EM02-W	White
IN-120-EM02-MB-[finish]*	Black with metal trim
IN-120-EM02-MW-[finish]*	White with metal trim

IN120-EM03 WiFi Controller

IN120-EM04 Inside Mounting Kit (mounting plate and hardware)

Lockbodies

IN120-7976-26D	Mortise lockbody with deadbolt and cylinder
IN120-7977-26D	Mortise lockbody with deadbolt (no cylinder)
IN120-7978-26D	Mortise lockbody with cylinder (no deadbolt)
IN120-7979-26D	Mortise lockbody only (no deadbolt, no cylinder)
10-3407-5400	Cylindrical lockbody, standard cylinder
10-3412-5400	Cylindrical lockbody, LFIC
10-3417-5400	Cylindrical lockbody, SFIC

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* Select from finishes on page 15

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Mechanical Options

ADD STRENGTH	3-	Stainless steel hubs for institutional specifications (mortise locks only)
	28-	4-7/8" Strike #808. Lip length 1-1/4 (10 line only)
	WBS-	Wrought Box Strike
10 LINE BACKSET OPTIONS	20-	2-3/8" Backset Latch with 1" Front
	23-	3-3/4" Backset x 2-1/4" x 1-1/8" Front (10 Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" Front (10 Line only)
SECURITY FASTENERS	36-	Six lobe security head screws
	37-	Spanner head screws
3/4" LATCH THROW	41-	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10 Line only)
TACTILE WARNING OPTIONS	75-	Tactile Warning — Milled Inside Lever (Not available with Studio & Coastal Levers and the A Lever)
	76-	Tactile Warning — Milled Outside Lever (Not available with Studio & Coastal Levers and the A Lever)
	77-	Tactile Warning — Milled Inside & Outside Lever (Not available with Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning — Abrasive Coating on Inside Lever
	86-	Tactile Warning — Abrasive Coating on Outside Lever
	87-	Tactile Warning — Abrasive Coating on Outside Lever
FINISH PROTECTION	CPC-	Clear Powder Coat (Available for 26, 26D, 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Not available with 10B Finish)
ELECTRICAL OPTIONS	91-	Power/remote unlocking wiring harness

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Cylinder Options

DEGREE CYLINDERS	DG1-	SARGENT Degree Key System Level 1 (Bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG2-	SARGENT Degree Key System Level 2 (Geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (Geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
	DG3-65-	Degree Level 3 Unassembled/Uncombined Core

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Cylinder Options

CONVENTIONAL CYLINDER	—	SARGENT Conventional Cylinders supplied Standard (Nomenclature not required)
SIGNATURE KEY SYSTEM	10-	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
	10UL-	SARGENT Signature UL437 Key System (Not Available with 10 Line or other Key Systems)
SIGNATURE: LARGE FORMAT INTERCHANGEABLE CORE (REMOVABLE CORE)	10-63-	SARGENT Signature LFIC (Removable Core) Cylinder
XC- KEY SYSTEM	11-	XC Key System (not available with 10-, 10UL, 22- options)
	11-21-	XC- Construction Key System (Lost Ball)
XC- LARGE FORMAT INTERCHANGEABLE CORE (REMOVABLE CORE)	11-60-	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core — provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
XC- SMALL FORMAT INTERCHANGEABLE CORES	11-70-7P-	Hardware to accept XC- SFIC (7 Pin) XC- Permanent Cores, plastic disposable core provided (10 line J lever not available)
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately (10 Line J lever not available)
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	11-65-73-7P-	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core (Packed Loose) (10 Line J lever not available)
CONSTRUCTION KEY SYSTEMS	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63-, 73-, 82-, SC- & SE-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems) (N/A with 10-, 11-, 63-, 73-, 82-, SC- & SE-)
OLD STYLE REMOVABLE CORE	51-	Removable Core Cylinder (Old Style) provided (Existing Systems Only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (Existing Systems Only)
LARGE FORMAT INTERCHANGEABLE CORE (REMOVABLE CORE)	60-	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable plastic Core provided (Permanent Cores Ordered Separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)

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Cylinder Options

SMALL FORMAT INTERCHANGEABLE CORES	70-	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, plastic disposable core provided (10 Line J lever not available)
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core Ordered Separately) (10 line J lever not available)
	73-	Hardware supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core (Packed loose for field keying) (10 Line J lever not available)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core (Packed loose for field keying) (10 Line J lever not available)
	73-7P-	Hardware supplied with Small Format 7 Pin Interchangeable Core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
KESO & KESO F1	81-	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (Not available with 10 Line) (Permanent Cores Ordered Separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10 Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10 Line) (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10 Line) (Permanent Cores ordered separately)
BUMP RESISTANT	BR-	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
LESS CYLINDER	LC-	Hardware supplied less cylinder
ACCEPTS SCHLAGE CYLINDERS	30-	10 Line Lever to accept Schlage Cylinder-Cylinder is not provided (10 Line only)
	SF-	L Lever to accept Medeco KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (10 Line only)
SCHLAGE KEYWAYS	SC-	Schlage C keyway cylinder, 0 bitted (10 Line only)
	SE-	Schlage E keyway cylinder, 0 bitted (10 Line only)

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Architectural Specifications

1.1 IN120 10 Line Series Cylindrical Locksets

Intelligent WiFi Access Control Cylindrical Locks

A. WiFi Access Control Cylindrical Locks to be 10-Line Series as manufactured by SARGENT Manufacturing of New Haven, CT.

B. BHMA certified extra heavy duty, lever type cylindrical lock conforming to ANSI 156.2 Series 4000, Grade 1 standard and ANSI A117.1 accessibility guidelines. Motorized locking control of lever handle trim (solenoids not acceptable) with ½" anti-friction deadlocking latch, UL listed and labeled for up to 3 hour fire rated openings.

1. Backset: 2-3/4 inches

C. WiFi access control locking devices interface using field replaceable IEEE 802.11 b/g/n, 2.4 GHz wireless radio connection to an Ethernet Local Area Network (LAN) facilitating centralized control via a Software Development Kit (SDK). Locks will continue to operate independent of Ethernet (LAN) wireless connection slowdown or failure.

1. Provide access control products with non-volatile memory.

D. Supports WEP, WPA, WPA2 and 802.1x wireless encryption (IEEE 802.11 b/g/n, 2.4 GHz). AES 128 encrypted communication between IP Enabled lock and electronic access control system platform via SDK. Programmable time zone periods, blocked holidays, automatic unlock with or without first entry, minimum of 2,400 user codes and the ability to audit the last 10,000 transactions (event type, date, time, user ID and name). Distributed intelligence allows stand alone functional operation of lock in absence of network communication or slowdown allowing for system operational redundancy.

E. Integrated reader supports HID® 125 kHz proximity credentials or ISO 14443 A/B and ISO 15693 13.56 MHz contactless credentials: HID® iCLASS / iCLASS SE (full authentication, all formats), MIFARE Classic and DESFire EV1 (full authentication, all formats); NFC (Near Field Communications) and HID® SIO-Enabled™.

1. Valid/ invalid credential presentation viewable by means of LED indicators on outside escutcheon.

F. Environmental Conditions: Conformally coated weather resistant electronic controller shall meet the following minimum requirements:

1. Operating temperature: -13°F (-25°C) to 151°F (66°C)
2. Operating humidity: < 85% non-condensing
3. Weatherized design suitable to withstand harsh environments with a certified rating of IP55

G. Configuration: Programming of time zone periods, blocked holidays, automatic unlock with or without first entry, and listing 10,000 event transaction history consisting of event type, date, time, user ID and name is required.

1. Provide network and lock configuration CD tool kit for initial lock set-up and programming via USB connection.

H. Monitoring: Software accessible monitoring (via SDK) of inside lever handle (Request-to-Exit), door position switch (DPS) integral to the lock (door open/closed status), forced door, unknown card, door held open, battery and tamper.

1. Standard privacy function initiated from push button on inside escutcheon and cancelled upon activation of valid Request-To-Exit (REX) or user defined credentials.
   a. *Activation of privacy function is indicated by LED notification on inside escutcheon.*
   b. *Redundant actuation of privacy button does not deactivate privacy mode.*

I. Emergency override access capability by mechanical key cylinder retraction of lock latch bolt without electronic activation necessary.

J. Inside lever retracts latch bolt.

K. Power Source: Powered by 6 AA alkaline batteries with LED indication of locked, programming mode and low capacity warning status conditions.

1. Optional hard power by means of 12-24 VDC power supply.

L. Cylinders: Reference 2.04 Keying for keying requirements

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2.1 IN120 7900 Series Mortise Locksets

Intelligent WiFi Access Control Mortise Locks

A. WiFi Access Control Mortise Locks to be 7900 Series as manufactured by SARGENT Manufacturing of New Haven, CT.

B. BHMA certified extra heavy duty, lever type mortise lock conforming to ANSI 156.13 Series 1000, Grade 1 standard and ANSI A117.1 accessibility guidelines. Electronic motorized locking control of lever handle trim (solenoids not acceptable) with 3/4" anti-friction deadlocking latch and 1" case-hardened steel deadbolt. UL listed and labeled for up to 3 hour fire rated openings.

1. Backset: 2-3/4 inches

C. WiFi access control locking devices interface using field replaceable IEEE 802.11 b/g/n, 2.4 GHz wireless radio connection to an Ethernet Local Area Network (LAN) facilitating centralized control via a Software Development Kit (SDK). Locks will continue to operate independent of Ethernet (LAN) wireless connection slowdown or failure.

1. Provide access control products with non-volatile memory.

D. Supports WEP, WPA, WPA2 and 802.1x wireless encryption (IEEE 802.11 b/g/n, 2.4 GHz). AES 128 encrypted communication between IP Enabled lock and electronic access control system platform via SDK. Programmable time zone periods, blocked holidays, automatic unlock with or without first entry, minimum of 2,400 user codes and the ability to audit the last 10,000 transactions (event type, date, time, user ID and name). Distributed intelligence allows stand alone functional operation of lock in absence of network communication or slowdown allowing for system operational redundancy.

E. Integrated reader supports HID® 125 kHz proximity credentials or ISO 14443 A/B and ISO 15693 13.56 MHz contactless credentials: HID® iCLASS / iCLASS SE (full authentication, all formats), MIFARE Classic and DESFire EV1 (full authentication, all formats); NFC (Near Field Communications) and HID® SIO-Enabled™.

1. Valid/ Invalid credential presentation viewable by means of LED indicators on outside escutcheon.

F. Environmental Conditions: Conformally coated weather resistant electronic controller shall meet the following minimum requirements:

1. Operating temperature: -13°F (-25°C) to 151°F (66°C)
2. Operating humidity: < 85% non-condensing
3. Weatherized design suitable to withstand harsh environments with a certified rating of IP55

G. Configuration: Programming of time zone periods, blocked holidays, automatic unlock with or without first entry, and listing 10,000 event transaction history consisting of event type, date, time, user ID and name is required.

1. Provide network and lock configuration CD tool kit for initial lock set-up and programming via USB connection.

H. Monitoring: Software accessible monitoring (via SDK) of inside lever handle (Request-to-Exit), door position switch (DPS) integral to the lock (door open/closed status), forced door, unknown card, door held open, battery and tamper.

1. Privacy function initiated from push button on inside escutcheon and cancelled upon activation of valid Request-To-Exit (REX) or user defined credentials.
   a. *Activation of privacy function is indicated by LED notification on inside escutcheon.*
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1. Optional hard power by means of 12-24 VDC power supply.

L. Cylinders: Reference 2.04 Keying for keying requirements

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800-727-5477
www.sargentlock.com

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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